

STRUCTURE ACTIVITY TEAM REPORT ver. 04/98

Case #: P-04-0141 **DCN:**

SAT Date: 12/9/2003 **SAT Chair:** L. Keifer

Submitter:

CAS RN: None **Trade Name:** Mirataine CBS, Mirataine CBS Avon

Structure

RECEIVED
SPOT 0510
2005 JUN -7 AM 10:01

Molecular Formula:

Molecular Wt. **WT%<500:** **WT%<1000:**

MP: **BP:** **Eq. Wt:**

H2O Sol (g/L): **V.P.**

Max. Prod. Volume (kg/yr): **Physical State:**

USE:

Foam control and wetting agent for laundry detergent, hard surface cleaners and long lasting toilet bowl blocks.
No references found.

Related Case Numbers	Case Role	Related Case Numbers	Case Role

Focus **Date:** 12-15-03 **Results:** 5(r) Eno Cat Fats



STRUCTURE ACTIVITY TEAM REPORT

12/09/03

CASE NUMBER: P04-0141

RELATED CASES:

CONCLUSIONS/DISCUSSIONS

TYPE OF CONCERN:

HEALTH

ECOTOX

LEVEL OF CONCERN:

2

2

KEYWORDS: LUNG IRR-E,S,MM,L
AQUATOX

SUMMARY OF ASSESSMENT

[REDACTED]

Time for complete ultimate aerobic biodeg = wk-mo

PBT Potential: P1B1T1

Sorption to soils/sediments = low

*CEB FATE: Migration to ground water = slow - moderate

HEALTH: Absorption is nil from the skin, poor from the GI tract, and moderate from the lung (analog). Concern for surfactant effects on the lung; and irritation to all tissues based on submitted test data.

*CEB HEALTH: Moderate concern (Dermal, inhalation); XB: NO testing

Test data:

[REDACTED]

ECOTOX: Predicted (P) and measured (M) toxicity values in mg/L (ppm) FOR THE LEAST TOXIC PRODUCT THAT CAN BE MADE UNDER THE CAS NAME (92% C12, 2% C14, 2% C16, 2% C18, 2% C18=) WITH WEIGHT AVERAGE ALKYL HYDROPHOBICITY = 11.4 CARBONS are:
fish 96-h LC50 = 350.0 P

daphnid 48-h LC50 = 350.0 P
green algal 96-h EC50 = 350.0 P
fish chronic value = 40.0 P
daphnid ChV = 40.0 P
algal ChV = 90.0 P

Predictions are based on SAR-nearest analog method for amphoteric surfactants-C11.4-Q-SO3; SAR chemical class = surfactant-amphoteric-C11.4-amide-C3N(C)(C)CC(O)CS(=O)(=O)O; MW428; pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L;

low concern for toxicity

assessment factor = 10.0

concern concentration = 1.0 mg/L (ppm)

Predicted (P) and measured (M) toxicity values in mg/L (ppm) FOR THE MOST TOXIC PRODUCT THAT CAN BE MADE UNDER THE CAS NAME (2% C12, 2% C14, 2% C16, 92% C18, 2% C18=) WITH WEIGHT AVERAGE ALKYL HYDROPHOBE = 16.8 CARBONS are:

fish 96-h LC50 = 0.590 P
daphnid 48-h LC50 = 0.590 P
green algal 96-h EC50 = 0.590 P
fish chronic value = 0.060 P
daphnid ChV = 0.060 P
algal ChV = 0.150 P



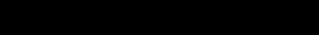
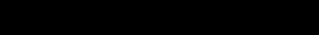
Predictions are based on SAR-nearest analog method for amphoteric surfactants-C16.8-Q-SO3; SAR chemical class = surfactant-amphoteric-C16.8-amide-C3N(C)(C)CC(O)CS(=O)(=O)O; MW504; pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L;

high concern for toxicity

assessment factor = 10.0

concern concentration = 0.006 mg/L (ppm)

Submitted test data for a product with unknown composition:

fish (FHM) 96-h LC50 = 
daphnid 48-h LC50 = 
fish ChV = 
daphnid ChV = 

The toxicity of this product is intermediate between the worst case product the least toxic product.





NCSAB SAT REPORT

PMN:

P-04-0141

CAS RN:

None

Production Volume:

Use:

Formula:

Eq Wt:

Mol Weight:

Wt% < 500:

Wt% < 1000

MP:

BP:

VP:

BCF

CHEMICAL CLASS:

SAR:

Surfactant - amphoteric - Q-S

ECOTOX CONCERN

H

(M)

(L)

CONCERN CONCENTRATION

See 0.020

DATE

12/9/03

ASSESSOR:

TD

GTOX Report

PMN No.

P-04-0141

CAS No.

000000-00-0

Rcvd:

11/24/03

OECD

Incomplet

ID: Rec# 3 : 142

S/A

S

Name of Analog

Reviewer

NSH

	with activation	without activation	Positive Strains
<u>Salmonella Assay:</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
<u>Chromosomal Aberration</u>	CHO: <input type="checkbox"/>	<input type="checkbox"/>	
	CHL: <input type="checkbox"/>	<input type="checkbox"/>	
	V79: <input type="checkbox"/>	<input type="checkbox"/>	
<u>E. coli Reverse Mutation:</u>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>Mouse Micronucleus Assay:</u>	Route: <input type="text"/>	<input type="checkbox"/>	
<u>Rat Hepatocytes Unscheduled DNA Synthesis:</u>		<input type="checkbox"/>	

Other GTOX Results

Comments

ECOTOX:

☒

Fate:

Primary Biodegrad. tests (BOD/COD & River Die Away, p.88-89); Ready Biodegrad. tests (Mod. OECD Screening, p.90-91; Closed Bottle, p.92-96); Potential Final Aerobic Biodegrad. in Aq. medium, p.97-114.

WS/Log P:

Soluble, p.13

Toxicology Report

PMN No.

P-04-0141

CAS No.

000000-00-0

Rcvd:

11/24/2003

OECD

Incomplete

ID: Rec# 3 : 223

S/A

Name of Analog

S

Reviewer

NSH

Study#:

223

Study Type -

Species

Sex

Route

Test Substance Description

Test Conditions

Results

Toxicology Report

PMN No.

P-04-0141

CAS No.

000000-00-0

Rcvd:

11/24/2003

OECD

Incomplete

ID: Rec# 3 : 224

S/A

Name of Analog

S

Reviewer

NSH

Study#:

224

Study Type

[REDACTED]

Species

[REDACTED]

Sex

[REDACTED]

Route

[REDACTED]

Test Substance Description

[REDACTED]

Test Conditions

[REDACTED]

Results

[REDACTED]

Toxicology Report

PMN No.

P-04-0141

CAS No.

000000-00-0

Rcvd:

11/24/2003

OECD

Incomplete

ID: Rec# 3 : 225

S/A

S

Name of Analog

Reviewer

NSH

Study#:

225

Study Type

Species

Sex

Route

Test Substance Description

Test Conditions

Results

[illegible]

the 1990s, the number of people in the United States who are aged 65 and older has increased by 25% (U.S. Census Bureau, 1997). The number of people aged 65 and older is projected to increase by 50% by the year 2020 (U.S. Census Bureau, 1997). The increase in the number of people aged 65 and older is due to a number of factors, including the increase in life expectancy, the increase in the number of people who are married, and the increase in the number of people who are employed. The increase in life expectancy is the most significant factor, as it has led to a significant increase in the number of people who are aged 65 and older. The increase in the number of people who are married is also a significant factor, as it has led to a significant increase in the number of people who are aged 65 and older. The increase in the number of people who are employed is also a significant factor, as it has led to a significant increase in the number of people who are aged 65 and older. The increase in the number of people who are aged 65 and older is a significant demographic change that has led to a significant increase in the number of people who are aged 65 and older. The increase in the number of people who are aged 65 and older is a significant demographic change that has led to a significant increase in the number of people who are aged 65 and older.

[illegible]

[illegible]

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Abstract

